



Panasonic recommends Windows.

## TOUGHBOOK 53



- 14" high definition (720p) LED display
- Sunlight-viewable touchscreen with Panasonic CircuLumin™ Technology<sup>1</sup>
- Magnesium alloy case with handle
- Drop and spill-resistant
- Optional 4G LTE multi carrier mobile broadband with satellite GPS
- Industry leading driver packages for ease of deployment and support

MIL-STD-810G

3-FOOT  
DROP RATING

## ENHANCED PERFORMANCE AND VERSATILITY FROM THE ORIGINAL SEMI-RUGGED LAPTOP MANUFACTURER.

In 1998, Panasonic created the first semi-rugged computer. Today, the Panasonic Toughbook® 53 features a 14" HD LED display, Intel® Core™ processors and a multi touch touchpad. Options for a sunlight-viewable Panasonic CircuLumin™ touchscreen, backlit keyboard, dedicated GPS, 4G LTE multi carrier mobile broadband with satellite GPS, integrated webcam and choice of insertable or contactless SmartCard CAC reader, make this a versatile semi-rugged PC.

+90.216.540.67.70  
www.pancom.com.tr  
info@pancom.com.tr

**TOUGHBOOK®**

## Panasonic recommends Windows.

### SOFTWARE

- Windows® 10 Pro (available Windows® 7 Professional downgrade option)
- Panasonic Utilities (Including Dashboard), Recovery Partition
- Enterprise ready driver packages including CAB files and one-click driver bundles

### DURABILITY

- MIL-STD-810G certified (3' drop, shock, vibration, dust, altitude, high/low temperature, temperature shock, humidity)
- Spill-resistant keyboard
- Magnesium alloy case with handle
- Optional storage drive heater
- Shock-mounted caged storage drive
- Removable quick-release battery and storage drive
- Field upgradeable 4G LTE
- Preinstalled replaceable screen film for LCD protection<sup>1</sup>

### CPU<sup>2</sup>

- Intel® Core™ i5-4310U vPro™ Processor
- 2.0GHz with Turbo Boost up to 3.0GHz, 3MB cache

### STORAGE & MEMORY

- Upgradeable Memory (RAM) - 2 slots
- 4GB expandable to 8GB or 16GB total of SDRAM (DDR3L-1600MT/s)<sup>3</sup>
- Shock-mounted storage drive with quick-release
- 500GB 7200-rpm HDD (Elite models), 320GB 5400rpm HDD (Lite model)<sup>4</sup>
- Optional hard drive heater
- Optional 256/512GB SSD with heaters<sup>5</sup>

### DISPLAY

- 14.0" HD 1366 x 768
- Optional touchscreen<sup>6</sup>
- 2-850 nit
- Panasonic CircuLumin™ technology
- Anti-reflective (AR), anti-glare (AG), and circular polarizer
- Anti-reflective (AR) and anti-glare (AG) screen treatments
- Intel® HD graphics 4400
- Triple monitor support
- Concealed mode (configurable)

### AUDIO

- Intel® High Definition Audio compliant
- Integrated stereo speakers
- Keyboard volume and mute controls

### CAMERAS

- Optional 720p webcam with mic

### KEYBOARD & INPUT

- Stylus pen with integrated stylus holder, tether and cleaning cloth<sup>1</sup>
- 87-key with dedicated Windows® Key
- Optional backlit emissive keyboard with 4 adjustable levels
- Electrostatic touchpad with multi touch

### DVD DRIVE

- DVD Super MULTI Drive

### INTERFACE & EXPANSION

- Docking connector
  - USB 3.0 (x 2), USB 2.0 (x 2)
  - SD card (SDXC)
  - Optional IEEE 1394a (FireWire)<sup>4,5</sup>
  - HDMI
  - VGA
  - 10/100/1000 Ethernet
  - Optional 2nd LAN 10/100/1000 (Ethernet)<sup>4,5</sup>
  - Audio In
  - Audio Out
  - Serial
  - ExpressCard/54
  - PC Card
  - Mini-SIM
- |                        |
|------------------------|
| 100-pin                |
| Type A                 |
| UHS-I                  |
| 4-pin                  |
| Type A                 |
| D-sub 15-pin           |
| RJ-45                  |
| 3.5mm Mini-jack stereo |
| 3.5mm Mini-jack stereo |
| D-sub 9-pin            |
| 34mm or 54mm           |
| Type II                |
| 2FF                    |

### WIRELESS

- Optional 4G LTE multi carrier mobile broadband with satellite GPS
- Optional dedicated GPS (u-blox NEO-M8N)
- Optional dual high-gain antenna pass-through<sup>5</sup>
- Intel® Dual Band Wireless-AC 7260 Wi-Fi 802.11a/b/g/n/ac
- Bluetooth® v4.0 + EDR (Class 1)
- Slide on/off switch

### POWER

- Li-Ion battery pack:
  - Elite models (long life battery): 10.8V, typical 6750mAh, min. 6300mAh
  - Lite model (lightweight battery): 10.8V, typical 4500mAh, min. 4200mAh
- Battery operation<sup>6</sup>:
  - Elite models: 15 hours
  - Lite model: 10 hours<sup>4</sup>
- Battery charging time: 2 hours<sup>4</sup>
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply

### SECURITY FEATURES

- TPM v1.2
- NIST BIOS compliant
- Persistence® technology by Absolute embedded in BIOS<sup>7</sup>
- Kensington cable lock slot
- Optional fingerprint reader<sup>4,8</sup>
- Optional insertable SmartCard CAC reader
- Optional contactless SmartCard CAC reader<sup>4,9</sup>
  - 13.56MHz (ISO 15693 & 14443 A/B compliant)

### WARRANTY

- 3-year limited warranty, parts and labor

### DIMENSIONS & WEIGHT

- 11.1"(L) x 13.4"(W) x 1.6-2.2"(H)
- 5.6 lbs. (Lite model), 5.8 lbs. (Elite model), 6.5 lbs. (Elite model with touch)

### INTEGRATED OPTIONS<sup>9</sup>

- 4G LTE multi carrier mobile broadband with satellite GPS
- Dedicated GPS (u-blox NEO-M8N)<sup>1,5</sup>
- 2nd LAN or FireWire or dual antenna pass-through<sup>4,5</sup>
- Insertable SmartCard CAC reader
- Contactless SmartCard CAC reader<sup>4,9</sup>
- Fingerprint reader<sup>4,8</sup>
- 720p webcam and digital mic<sup>4</sup>
- Backlit emissive keyboard

### SELECT ACCESSORIES<sup>9</sup>

- AC Adapter 100W (3-prong)
  - Long Life Battery Pack
  - Lightweight Battery Pack
  - Battery Charger
  - LIND 3-Bay Battery Charger
  - LIND Car Charger 120W
  - LIND Solar Charge System
  - ToughMate Always-on 53 Case
  - ToughMate ComUniversal Carrying Case (large capacity)
  - ToughMate Backpack
  - Memory Card 4GB
  - Memory Card 8GB
  - Desktop Dock
  - Vehicle Docks (no pass-through)
    - Gamber-Johnson with LIND power supply
    - Havis with LIND power supply
  - Vehicle Docks (dual pass-through)
    - Gamber-Johnson with LIND power supply
    - Havis with LIND power supply
  - Cradlepoint Router
    - Verizon LTE
    - Multi Carrier LTE-Advanced
    - Multi Carrier LTE-Advanced (compact size)
  - Touchscreen Stylus
  - Tether
  - 14.0" LCD Protector Film
- |                  |
|------------------|
| CF-AA5713AM      |
| CF-VZ5U71U       |
| CF-VZ5U72U       |
| CF-VG3TB2W       |
| PACH329-1857-P   |
| CF-LNDDC120      |
| PASC1580-4464    |
| TBC53A00S-P      |
| TBCCOMUNV-P      |
| TBCBPK-P         |
| CF-WMBA1304G     |
| CF-WMBA1308G     |
| CF-VEB531U       |
| 7160-0393-04-P   |
| CF-H-PAN-412-P   |
| 7160-0393-06-P   |
| CF-H-PAN-412-2-P |
| CP-IBR1100LPE-VZ |
| CP-IBR1100LP6-NA |
| CP-IBR900LP6-NA  |
| CF-VNP009U       |
| CF-VN1002U       |
| CF-VPF17U        |

Please consult your reseller or Panasonic representative before purchasing.

<sup>1</sup> Touchscreen model only.

<sup>2</sup> An Intel® Core™ i7 processor is also available.

<sup>3</sup> 1GB = 1,000,000,000 bytes. Total usable memory will be less depending upon actual system configuration.

<sup>4</sup> Not available on Lite model.

<sup>5</sup> Dedicated GPS comes standard with dual pass. Dedicated GPS is not available with FireWire or 2nd LAN.

<sup>6</sup> Battery performance features such as charge time and life span can vary according to the conditions under which the computer and battery are used. Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 2007 at 60 nit.

<sup>7</sup> Requires software and activation to enable theft protection.

<sup>8</sup> Fingerprint and contactless SmartCard CAC are mutually exclusive.

<sup>9</sup> Accessories and Integrated Options may vary depending on your notebook configuration. Visit Panasonic website for more accessories and details.



+90.216.540.67.70  
www.pancom.com.tr  
info@pancom.com.tr

